Louisiana Office of Public Health Laboratories	
Test Name	Human Immunodeficiency Virus (HIV) HIV-1/2 PLUS O EIA
PHL Location	Office of Public Health Laboratory Baton Rouge
CPT Code	86703
Synonyms	HIV, HIV-1/2, Anti-HIV 1/2 O
Brief Description of Test	The HIV-1/2 Plus O EIA is used to detect antibodies to HIV-1 (groups M and O) and/or HIV-2 in human serum or plasma. It is used as an aid in the diagnosis of infection with HIV-1 and/or HIV-2. If HIV-1/HIV-2 EIA Antibody Screen is repeatedly reactive, HIV-1 Antibody Western Blot will be performed (CPT code: 86689).
Possible Results	Nonreactive Reactive
Reference Range	Nonreactive
Specimen Type	Serum
Specimen Container(s):	Red top tubes, Marble top tubes, polypropylene vials
Minimum volume accepted:	275 µL serum (does not allow for repeat testing)
Collection Instructions	Blood should be collected in a plastic, sterile STD Program approved collection tube. Please follow the manufacturer's instructions on clot time requirements and centrifuge speed/ time requirements. Label specimen with Patient Name and a 2nd Unique Identifier such as a chart number or medical record number. DOB is not considered unique. Complete a STD/HIV Lab Form for each specimen or order test in StarLIMS. Lab submission form must be thoroughly completed with patient's first and last name, 2nd patient identifier, gender, date of birth, date and time of collection, specimen source, test requested, submitter's name, address, fax and contact number. Additional information regarding patients' address is requested.

	Transport specimen to laboratory as soon as possible after collection. Keep submission forms insulated from specimens.
Storage and Transport Instructions	Specimens can be shipped refrigerated (2-8°C) or ambient (8-37°C) and can be stored for up to 7 days. For longer storage, serum should be poured into a sterile screw cap tube and be frozen at -20°C or colder. Frozen specimens must be shipped on dry ice and received at a temperature of -20°C or colder. If a specimen is frozen, indicate the Date/Time specimen was frozen on the lab form or the LIMS manifest.
Causes for Rejection	Improper labeling, expired collection tubes , unspun samples, tubes that contain less than 90% of the total drawing capacity (QNS), specimen age >7 days if specimen has not been frozen at -20°C or colder. Improper storage and improper transport temperature requirements are also reasons for rejection.
Limitations of the Procedure	Repeatedly reactive specimens must be investigated by additional, more specific or supplemental tests. Testing alone cannot be used to diagnose AIDS, which is a clinical syndrome. The diagnosis of AIDS must be established clinically. A negative test result at any point does not preclude the possibility of exposure to or infection with HIV-1 and/or HIV-2.
Interfering Substances	No clinically significant effect has been detected in assay results of serum or plasma samples with increased levels of protein, lipids, bilirubin, or hemolysis, or after heat inactivation of patient samples.
References	BioRad Genetic Systems™ HIV-1/HIV-2 Plus O EIA Package Insert BioRad Genetic Systems™ HIV-2 EIA Package Insert EVOLIS™ Operator Manual
Additional Information	Samples that are BioRad Genetic Systems™ HIV-1/HIV-2 Plus O EIA assay reactive are reflexed to BioRad Genetic Systems™ HIV-1 Western Blot assay.
Release Date	03/15/2016
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